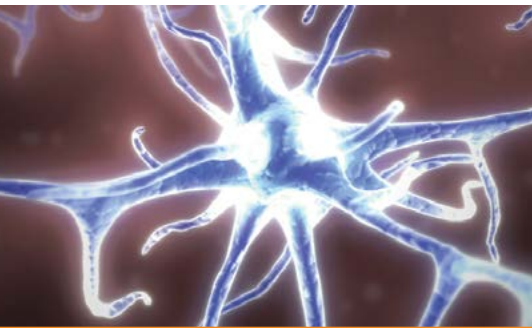




DV-502B[®]

HIGH VACUUM
EVAPORATOR PLATFORM



DENTON VACUUM ENABLES INNOVATION AND HAS FOR OVER 50 YEARS.

With thousands of thin film deposition tools installed globally — including a large, globally installed base of precision optical deposition systems — engineers and researchers rely on Denton's thin film innovations to drive higher throughputs, better yields and low cost of ownership (COO) while benefiting from comprehensive service and support, and a dedicated R&D program that delivers enabling technologies.

The DV-502B system rapidly cycles between atmosphere and high vacuum.

Denton's High Vacuum Evaporator Platform

- Sample prep
- R&D
- Batch production
- Inline production
- Evaporation
- Sputtering
- PE-CVD

DENTON VACUUM
Enabling Innovation

DENTON'S HIGH VACUUM EVAPORATOR PLATFORM

THE DENTON DIFFERENCE

Your process is our process.

We collaborate with you to design a system that solves your exact thin film coating process needs. When we ship you a tool, it's production ready.

- Our systems scale to meet your production requirements
- We believe in customers for life
- Worldwide support network

AT DENTON, WE CARE ABOUT YOUR SUCCESS

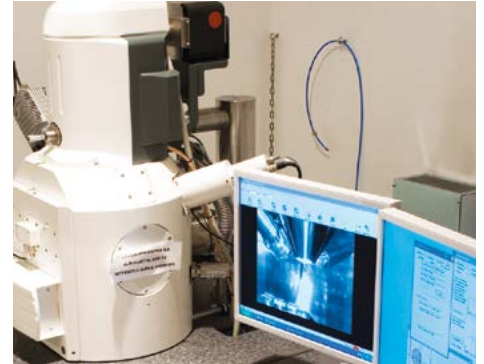
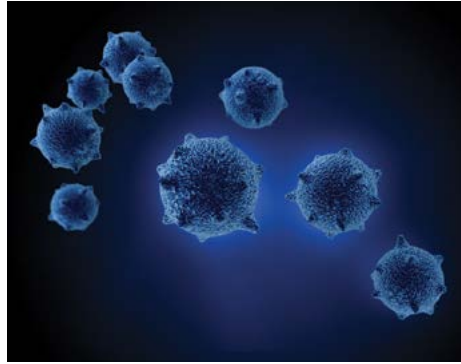
- Professional installation available
- Personalized training available
- Real-time support
- CE/UL/CSA compliant systems



TYPICAL APPLICATIONS

EVAPORATION

- High vacuum carbon coating for TEM and x-ray analysis
- Carbon support films
- Carbon platinum replicas
- Aperture cleaning
- Rotary shadowing
- Asbestos analysis
- Resistance evaporation
- Failure analysis
- High purity ultra thin films



NO DISCERNABLE CONTAMINATION

When preparing samples for electron microscopy.

RAPID CYCLE TIMES

Within 3 minutes, the DV-502B achieves 10^{-4} torr in a clean and outgassed system using a standard 12" dia x 12" high bell jar.

POWERFUL CONTROL SYSTEM

The touch screen interface to the PLC provides full control for the following modes: service, manual, and semi-automatic. Standard software makes it easy to support and avoid costly customization fees.

Safety interlocks mitigate damage to the operator and the equipment.

VARIETY OF METALS

Evaporates most metals used for optical coatings, metalizing, and electron microscope specimen preparation. Common metals include carbon, gold, gold/palladium, and platinum.

MULTIPLE PUMPING CONFIGURATIONS

Variety of pump configurations are available to fit your budget and process.

DV-502B OPTIONS

	EVAPORATION
1KVA EVAPORATION WITH FILAMENT HOLDERS	X
2KVA EVAPORATION WITH FILAMENT HOLDERS	X
ROTATING 6" DIAMETER PLATE (NO TILT)	X
2", 4", OR 6" INVERTED ROTATING STAGE	X
AC GLOW WITH GAS	X
SIGMA SQM 160 DEPOSITION THICKNESS MONITOR	X
SIGMA SQC 310 DEPOSITION THICKNESS CONTROLLER	X
12" D x 18" H BELL JAR	X
CARBON ROD EVAPORATION ACCESSORY	X
CARBON YARN EVAPORATION ACCESSORY	X
LN ₂ TRAP WITH FUNNEL	X
BELL JAR LIFT	X
PUMP CONFIGURATION	
DIFFUSION	X
TURBO PUMPING SYSTEM	X
OIL FREE MECHANICAL	X

Specifications subject to change without notice.

ABOUT US

All Denton Vacuum solutions are backed by a 12-month warranty on parts and labor, over 50 years of process knowledge, an in-house process engineering group, worldwide representation and support, and a Global Factory Service Center.